

Human CALR Knockdown Cell Lysate

Cat. No. CALR-080HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated CALR Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	Calreticulin is a highly conserved chaperone protein which resides primarily in the endoplasmic reticulum, and is involved in a variety of cellular processes, among them, cell adhesion. Additionally, it functions in protein folding quality control and calcium homeostasis. Calreticulin is also found in the nucleus, suggesting that it may have a role in transcription regulation. Systemic lupus erythematosus is associated with increased autoantibody titers against calreticulin. Recurrent mutations in calreticulin have been linked to various neoplasms, including the myeloproliferative type.
Form	Cell-Tissue Lysis buffer
Molecular Mass	48 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg CALR KD HeLa cell lysate
Protein Families	Druggable Genome, Secreted Protein, Transcription Factors
Protein Pathways	Antigen processing and presentation
Lysate QC	RT-qPCR; Western Blotting (WB)
GENE INFORMATION	
Gene Name	CALR calreticulin [Homo sapiens (human)]
Official Symbol	CALR
Synonyms	CALR; calreticulin; autoantigen Ro; cC1qR; CRT; FLJ26680; RO; Sicca syndrome antigen A (autoantigen Ro; calreticulin); SSA; CRP55; ERp60; HACBP; grp60; calregulin; endoplasmic reticulum resident protein 60; Sicca syndrome antigen A (autoantigen Ro; calreticulin);
Gene ID	811
mRNA Refseq	NM_004343
Protein Refseq	NP_004334
MIM	109091

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UniProt ID

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